

Title (en)

ANTENNA DEVICE, ELECTRONIC APPARATUS AND METHOD FOR ANTENNA SWITCHING

Title (de)

ANTENNENVORRICHTUNG, ELEKTRONISCHE VORRICHTUNG UND VERFAHREN ZUR ANTENNENUMSCHALTUNG

Title (fr)

DISPOSITIF D'ANTENNE, APPAREIL ÉLECTRONIQUE ET PROCÉDÉ DE COMMUTATION D'ANTENNE

Publication

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Application

**EP 20184884 A 20200709**

Priority

CN 201910819119 A 20190830

Abstract (en)

An antenna device (200) and an electronic apparatus are disclosed. The antenna device (200) includes a near field communication chip (21) configured to provide a differential excitation current; a ground plane (22) forming a conductive path thereon; a plurality of first conductive assemblies (23); a first switch (251) configured to selectively be in communication one or more of the first conductive assemblies (23); and a second conductive assembly (24). The communicating first conductive assembly (23), the conductive path, and the second conductive assembly (24) together constitute a conductive loop for transmission of the differential excitation current. By providing the plurality of first conductive assemblies (23) in the antenna device (200) and at different parts of the electronic apparatus (100), the design of the NFC antenna can be realized by the first conductive assemblies (23) at different parts of the electronic apparatus (100) in cooperation with the ground plane (22).

IPC 8 full level

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Citation (search report)

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